



Howz

Howz improves hospital discharge for people with cognitive impairment, supporting them to return home as soon as it is safe to do so.

Our remote monitoring technology builds a round-the-clock view of behaviour at home. We identify the key indicators of hospital readmission to enable interventions at the point of need.

Co-founded by physiotherapist Louise Rogerson and data scientist Jonathan Burr, Howz combines clinical expertise with advanced machine learning algorithms so we can accurately detect indicators of risk.

3-step solution for better care outcomes

1

Remote monitoring

Howz uses behavioural and wellbeing sensors within the home to gather a round-the-clock, objective view of behaviour at home after discharge.

2

Machine learning

Howz machine learning analyses each individual's behaviour against post-discharge focus points, and flags indicators of readmission risk before they can accelerate.

3

Care recommendations

Howz supports families, carers, health and social care teams to respond to issues with apps, dashboards and reports that provide clear information for fast, confident decisions.

Working hand in hand with the Dementia Research Institute and the University of Lancaster, Howz technology and clinical approach is based on deep scientific rigour.

The solution has been independently evaluated by the Academic Health and Science Network and found to deliver sizeable cash releasing and non-cash releasing benefits to health and social care.

42%

Reduction in risk
of care home
admission

32%

Reduction in
emergency
admissions

23%

Reduction in
inpatient stays
in hospital

60%

Reduction in
anxiety from
users & families

13%

Reduction in
ambulance
callouts





Howz in Sheffield

Howz have partnered with Sheffield City Council to participate in the test of Connected Care to assess a new model of service delivery in the area.

We are supporting early discharge from hospital where people are medically fit and have capacity, specifically targeting Dementia and Frailty. We are monitoring people at higher risk through passive sensors to gather data for care insight, alerts, and reporting.

Howz technology is installed at discharge in Sheffield and provided short term in people's homes alongside step-down care pathways. It is being used to demonstrate how well someone is coping at home after leaving hospital with information being shared with carers and families for objective decision making.

The Howz team are collaborating and interfacing with inhouse reablement services, hospital teams and external care agencies, social care teams and installation providers. We are also supporting families and increasing their engagement with loved ones by providing insight through the Howz app.

If a user meets the right profile for Howz, they are offered the service free of charge during a 6-week period. If the user agrees, they are referred to Howz who make contact to make sure everyone fully understands the service they will be receiving.

Once a user is comfortable with the service, technology installation is managed by Sheffield's local partner City Wide Care Alarms. At the end of the pathway, City Wide collects and cleans the sensors which are then reused for future users.

Once the sensors are installed, users can nominate people to share information with in order to bring loved ones closer to how they are getting on at home.

Howz and Sheffield City Council have clear objectives and expected outcomes for this project.

- 1 Identification of patterns & changes that increase risk of an adverse event
- 2 Objective evidence to support care planning decisions
- 3 Reduction in care package - size or timescale of package
- 4 Identification of key risk factors affecting discharge
- 5 Reduction in bed days where medically fit for discharge
- 6 Population level understanding of behaviours post-discharge

These outcomes will ultimately feed into Sheffield City Council's goal to support older people to stay safe, well and independent in a place of their choosing for longer.

For more information please contact the Howz team on info@howz.com or 0203 8686850

